

PAT-NO: JP405194919A
DOCUMENT-IDENTIFIER: JP 05194919 A
TITLE: RELEASE LINER
PUBN-DATE: August 3, 1993

INVENTOR-INFORMATION:

NAME	COUNTRY
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KUYPERS, MAURICE HN/A	

INT-CL (IPC): C09J007/02 , B32B005/08 , B32B027/12

ABSTRACT:

PURPOSE: To obtain a release liner in which defects such as breakage and elongation are improved by forming a release layer containing an olefin (co)polymer on the constitutional layer of a reinforcing nonwoven fabric composite containing two layers of specified constitution.

CONSTITUTION: In a reinforcing nonwoven fabric composite having two layers, one layer is composed of fibers (example: nylon fibers) which are substantially arranged randomly, the other layer is a reinforcing nonwoven fabric composite composed of a reinforcing fibers (example: polyester fibers) arranged linearly. A release layer having at least one of an olefin homopolymer (example: polybutylene), an olefin copolymer (example: ethylene-propylene copolymer) and an olefin polar monomer copolymer is formed on at least one layer of the nonwoven fabric composite to produce a release liner. The obtained liner is used appropriately to prevent the fouling of the adhesive layer and other purposes.

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DERWENT- 1994-221296

ACC-NO:

DERWENT- 200172

WEEK:

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TITLE: Release paper for mount for adhesive sheet, tape etc - has release layer formed of mixed resin comprising ethylene based copolymer and thermoplastic resin

PATENT-ASSIGNEE: DAINIPPON PRINTING CO LTD[NIPQ]**PRIORITY-DATA:** 1992JP-0332561 (November 18, 1992)**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 06155687 A	June 3, 1994	N/A	006	B32B 027/32B32B 027/32
JP 3226639 B2	November 5, 2001	N/A	006	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 06155687A	N/A	1992JP-0332561	November 18, 1992
JP 3226639B2	N/A	1992JP-0332561	November 18, 1992
JP 3226639B2	Previous Publ.	JP 6155687	N/A

INT-CL B32B027/00, B32B027/06 , B32B027/10 , B32B027/32 ,
(IPC): B32B031/30 , C08L023/08 , C09J007/02 , D21H027/00 ,
D21H027/30

ABSTRACTED-PUB-NO: JP 06155687A**BASIC-ABSTRACT:**

In a sheet of release paper having a release layer in the range of specific surface wetting characteristics: the release layer is formed of a mixed resin comprising (A) an ethylene-based copolymer has density of 0.80 to 0.90 g/cm³, a brittle temp. of -70 deg C or below according to ASTM D746, a Vicat softening temp of 55 to 114 deg C according to ASTM D1525, surface hardness of 42 to 90 according to JIS K6301, and a crystallinity index of 3% or less.

(B) the thermoplastic resin has a density difference above 0.01 g/cm³ compared with the density of (A) ethylene-based copolymer.

USE/ADVANTAGE - Release paper is used as the mount for adhesive

sheet, adhesive tape, etc.

Release paper gives stable release without occurrence of paste residue, etc..

CHOSEN- Dwg.0/0

DRAWING:

TITLE- RELEASE PAPER MOUNT ADHESIVE SHEET TAPE RELEASE LAYER

TERMS: FORMING MIX RESIN COMPRISE ETHYLENE BASED COPOLYMER
THERMOPLASTIC RESIN

DERWENT-CLASS: A17 A81 G03 P73

CPI-CODES: A04-G11; A08-M03; A12-A01; A12-A01A; G02-A05D; G03-B04;

ENHANCED- Polymer Index [1.1] 017 ; R00326 G0044 G0033 G0022 D01 D02
POLYMER- D12 D10 D51 D53 D58 D82 ; H0011*R ; A999 A782 ; A999 A351
INDEXING: A340 ; P1150 Polymer Index [1.2] 017 ; B9999 B4831*R
B4740 ; B9999 B5629 B5572 ; B9999 B3792 B3747 ; B9999
B4773*R B4740 ; B9999 B4104 B4091 B3838 B3747 ; B9999
B3178 ; K9665 Polymer Index [1.3] 017 ; ND01 ; K9745*R ;
Q9999 Q7205 Q7114 ; B9999 B5390 B5276 ; K9563 K9483 ;
K9483*R ; K9574 K9483 ; K9676*R ; B9999 B5334 B5298 B5276
Polymer Index [2.1] 017 ; H0317 ; A999 A782 ; A999 A351
A340 Polymer Index [2.2] 017 ; B9999 B4831*R B4740 Polymer
Index [2.3] 017 ; ND01 ; K9745*R ; Q9999 Q7205 Q7114 ;
B9999 B5390 B5276 ; K9563 K9483 ; K9483*R ; K9574 K9483 ;
K9676*R ; B9999 B5334 B5298 B5276 Polymer Index [3.1]
017 ; P0000 Polymer Index [3.2] 017 ; Q9999 Q6633 ;
K9676*R ; K9574 K9483 ; ND01 Polymer Index [3.3] 017 ;
A999 A351 A340

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key 0214 0218 0222 0231 0240 2315 2617 2622 2640 2645 2662

Serials: 2667 2670 2725 2726 2816 3003 3253 3269

Multipunch 017 034 04- 040 041 046 047 13- 311 314 351 442 443 477

Codes: 504 55& 551 556 560 561 575 577 580 59& 597 600 603 604

608 017 04- 040 311 314 442 443 477 55& 575 580 59& 597

600 603 017 04- 314 609 668

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-100976

Non-CPI Secondary Accession Numbers: N1994-174748